

Proposed Adhesion Models Based on the X-ray Studies of N- and E-Cadherins

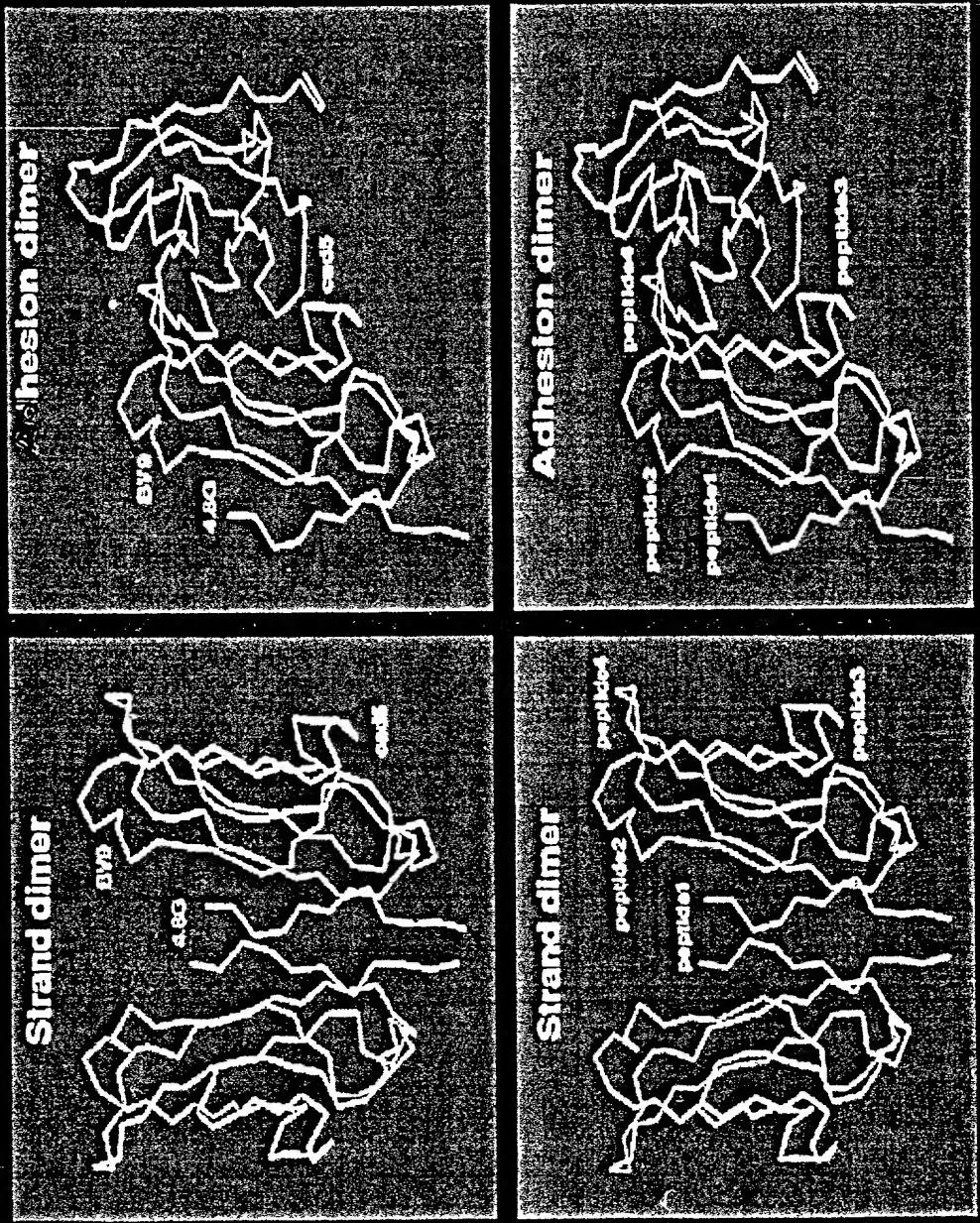


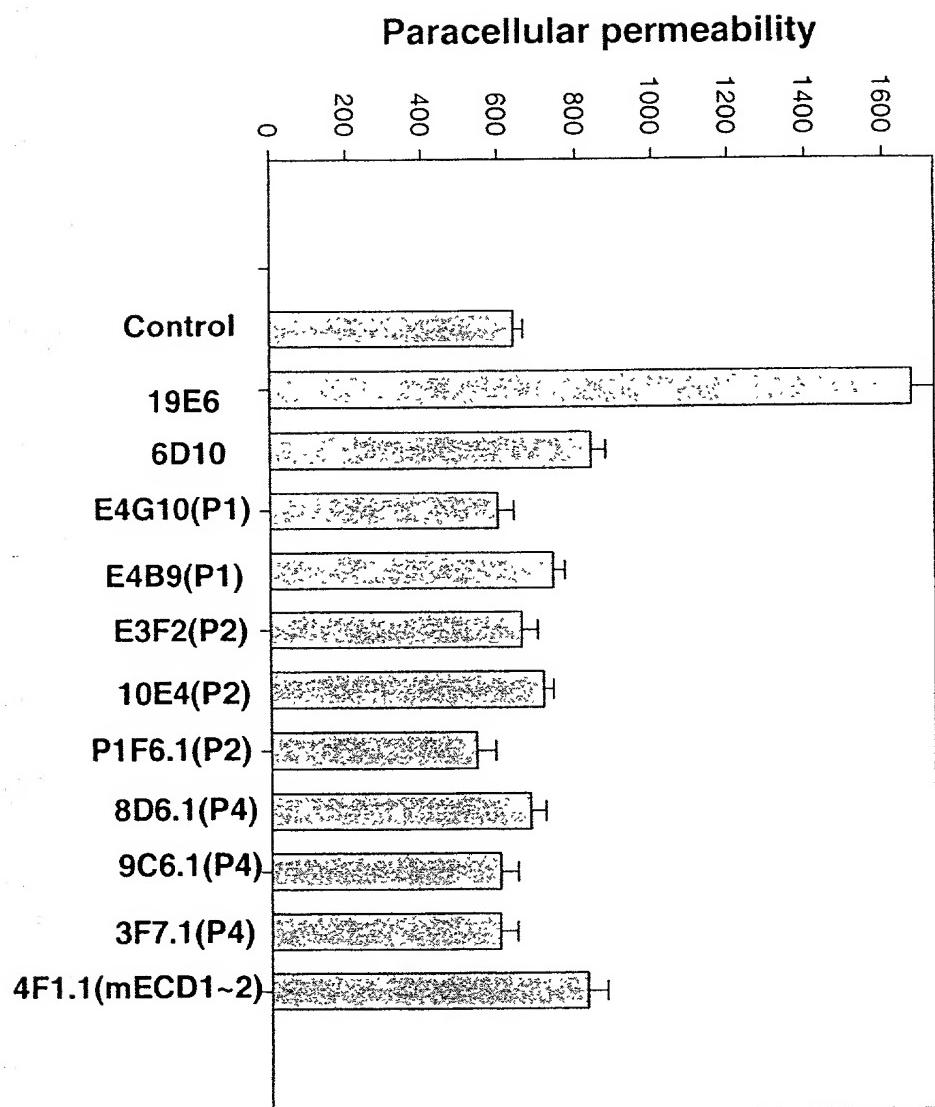
FIG. 1

Sequence Alignment of ECD1 of Four Classic Cadherins

<p>4 . 8G</p> <p>DWVTPPILPENSRGPFPOELVRIRSDRDKNLSSLRYSVTGPGADQPPPTGIFTIINP DWVTPPISCPENEKGEFPKNLVOIKSNRDKETKVFSITGOGADKPPVGVFIFIER</p>	<p>Cad5</p> <p>BV9</p> <p>DWIWNQMHLDDEEKNTSLPHHVGKIKLSSSVSRK-NAKYLLKGELYVGR-TT-VERVDA hVEC DWIWNQMHLDDEEKNTSLPHYY-KDQSNVNRRQ-NAKYVVLQGEFFAGK-TT-IFGVDA mVEC</p>	<p>Peptide 1</p> <p>I SGQLS VTKPL DREL TIARE FHLRA HAV DIN - G N Q VEN P I D I V I N V I D M N D N R P E F ETGMLKV T QPL DRE A I AKY I LYSH AV SSN - GE A E V D P M E I V I T V T D Q N D N R P E F</p>
<p>Peptide 2</p> <p>ETGDVFA TER L DREN I S E Y H L T A V I V D K D T G E N L E T P S S SFT I K V H D V N D N M P V E</p>	<p>Peptide 3</p> <p>NTGNV LAYER L DRE KV S E Y F L T A L I V D K N T M K N L E Q P S S F T V K V H D I N D N M P V F</p>	<p>Peptide 4</p> <p>hVEC mEC mNC mEC</p>

FIG. 2

Effects of the anti-ECD1 Peptides Antibodies on
Paracellular Permeability of H5V cells



The Effects of Three Anti-murine VE-cadherin mAb on Vascular Permeability in Mice

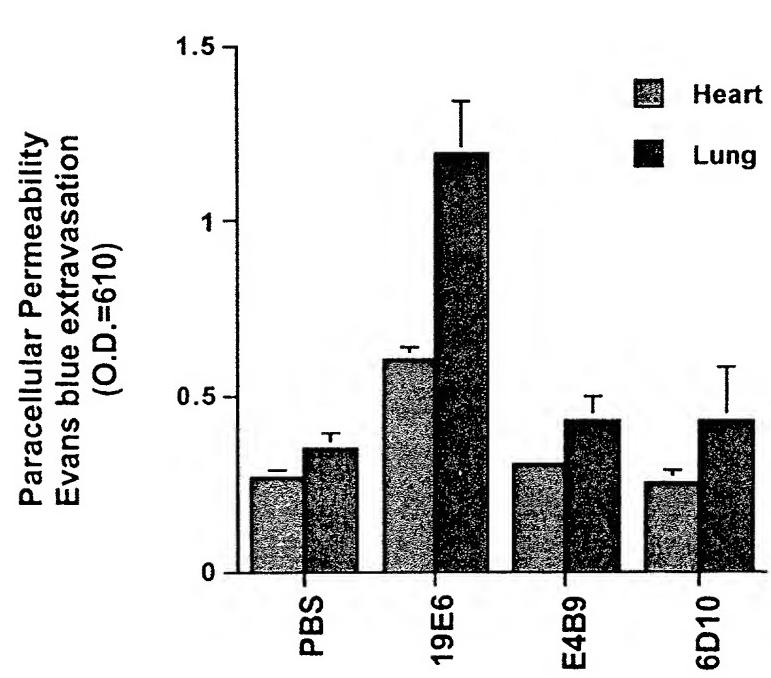


Fig 4

**Effect of anti-VE-cadherin mAb 19E6 on
b-FGF-induced neovascularization in
mouse corneal micropocket assay**



19E6

Rat IgG1

FIG 5A

Quantification of the Effects of Three Anti-murine VE-cadherin mAb on Inhibiting Angiogenesis *in vivo* (mouse Corneal micropacket assay)

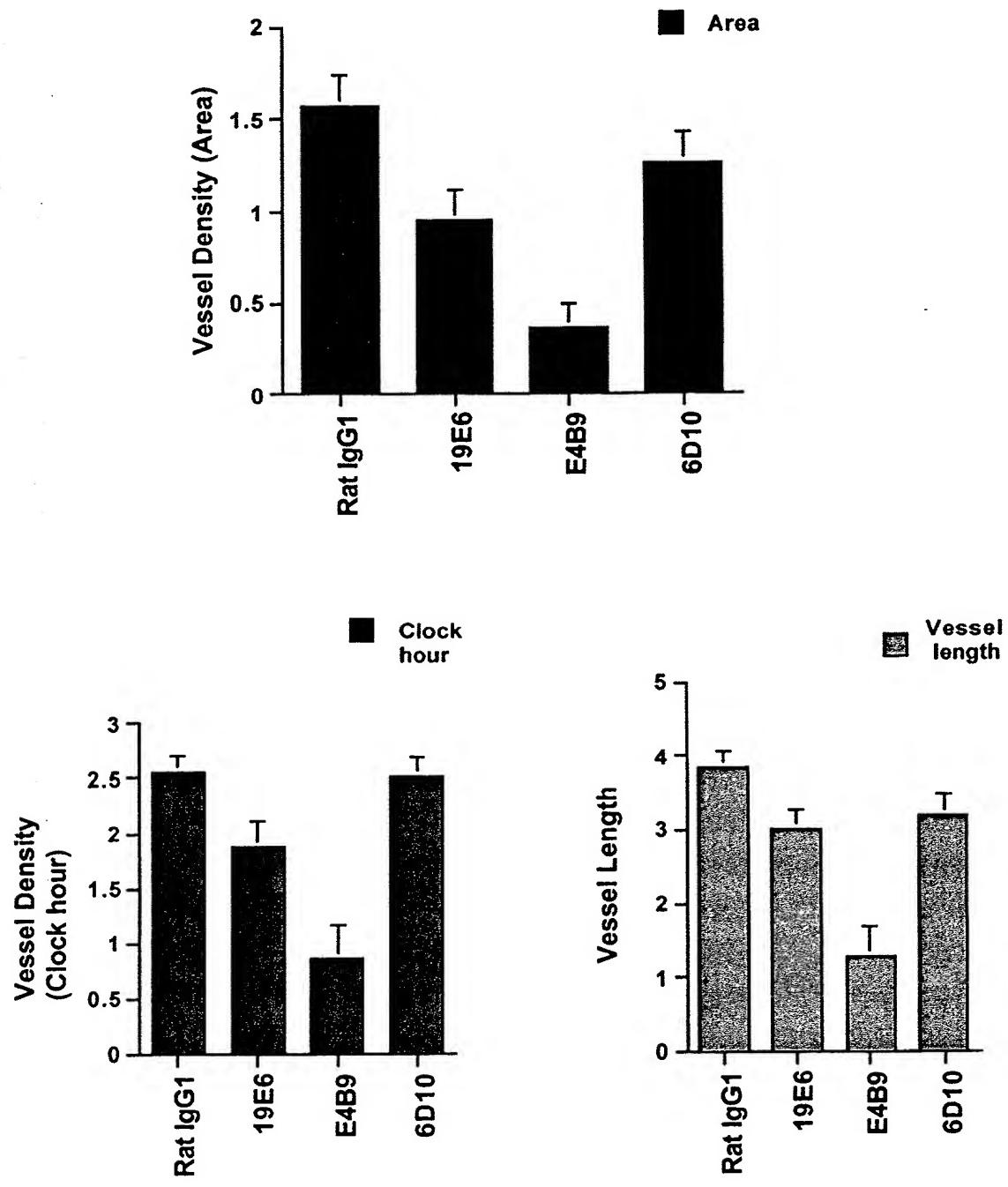
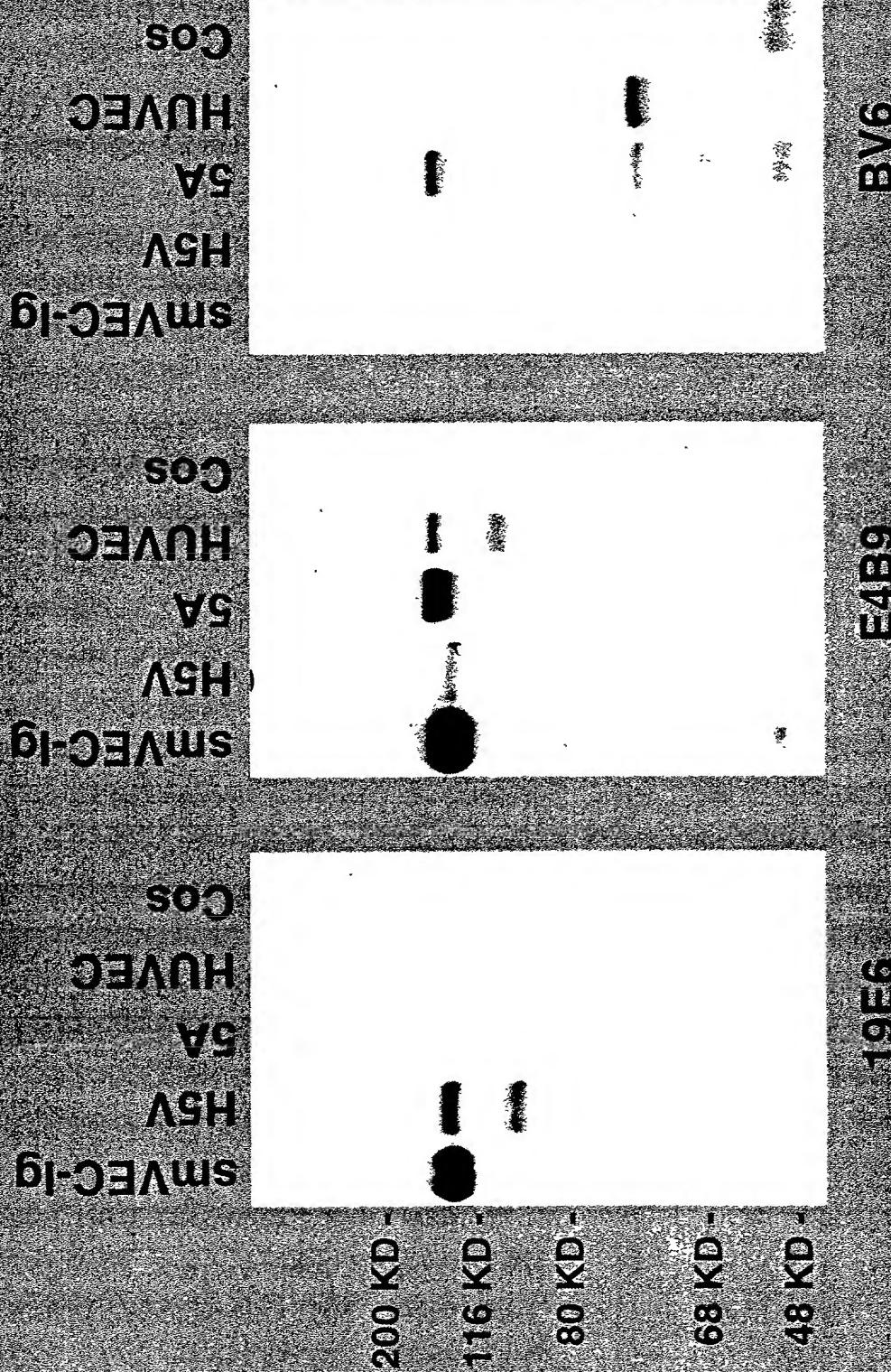


Fig. 5B

Anti-murine VE-cadherin mAb D4B9 cross-reacts with human VE-cadherin



12 % Reducing SDS-PAGE

FIG. 6

Epitope Mapping for mAb19E6 and 6D10 to Specific VEC Domains

10% Reducing SDS-PAGE

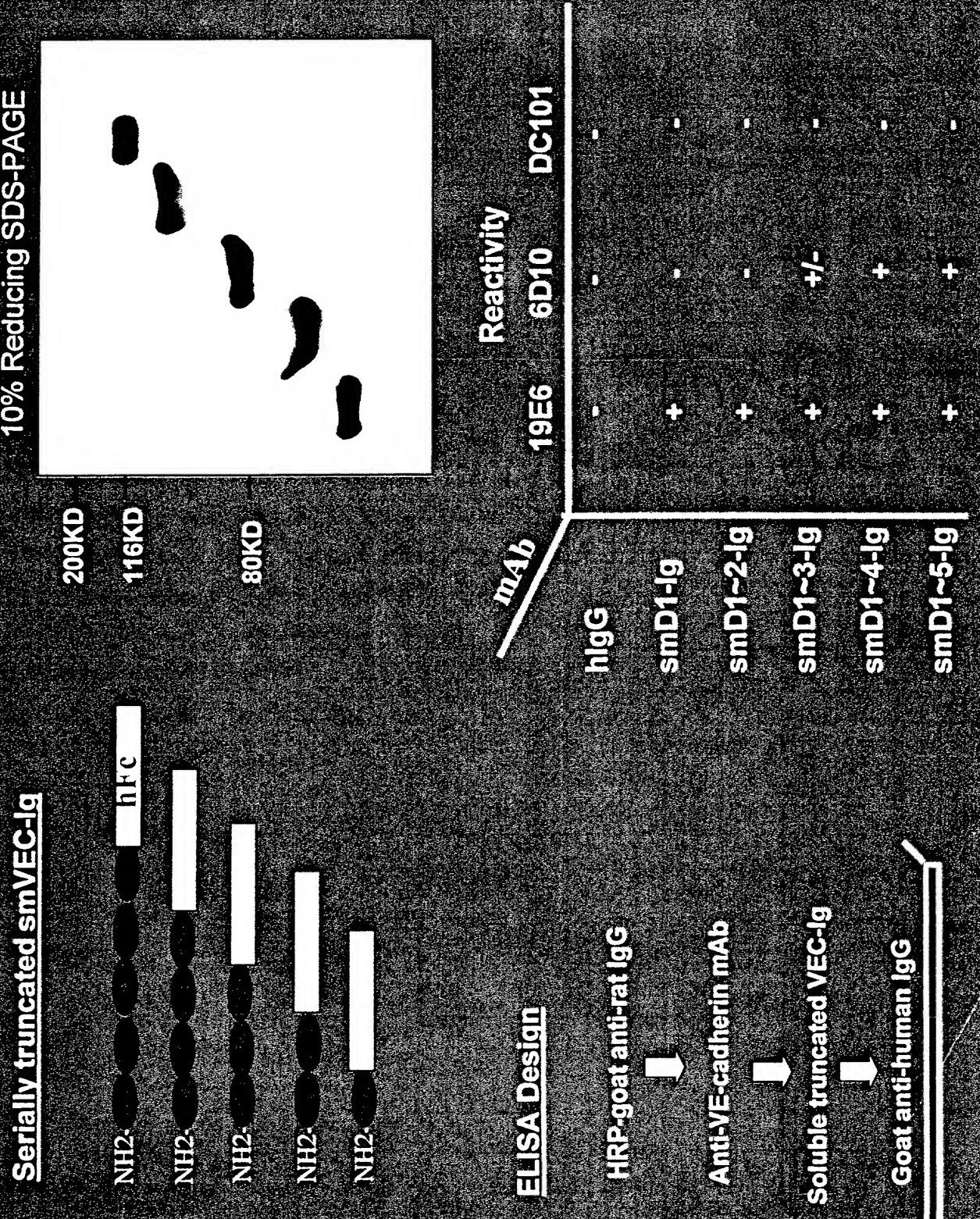


FIG 7

Anti-murine VE-cadherin antibodies

	1	2	3	4	5	
19E6						
E4B9						
6D10						
10G4	13E6	15F12				2B11
2G7*	8A7	1A3*				
5H6						
3C3*						

Fig. 8

Epitope Mapping

DWIWNQMHIDEEKNESLPRHYVKDQSNVN RQNAKYVLYQGEFAGKIFGVVDAN

E4B9

19E6, 10G4 (Cad5)

TGNVLAYERLDREKVSEYFLTTALIVDKNTNKNLLEQPRSSFTVKVHDINIDNWPFVF

Murine ECD1

FIG 4